

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration

| and 0.25 hours per response for reregistration and special review activities, including the comments regarding burden estimate or any other aspect of this collection of information Information Management Division (2137), U.S. Environmental Protection Agency, 401 II Do not send the completed form to this address. | n, including sugges | stions for reducing the burden to: Director, OPPE |
|--|---|--|
| Certification with Respect t | to Citation of I | Data |
| Applicant's/Registrant's Name, Address, and Telephone Number Ensystex IV, Inc.; 2709 Breezewood Ave.; Fayetteville, NC 28302; (800) 753-2847 | | EPA Registration Number/File Symbol To be assigned \$39.23- |
| Active Ingredient(s) and/or representative test compound(s) Imidacloprid, Bifenthrin | | Date October 26, 2006 |
| General Use Pattem(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Nonfood | | Product Name Bithor SC GC |
| NOTE: If your product is a 100% repackaging of another purchased EPA-registered submit this form. You must submit the Formulator's Exemption Statement (EPA Form to the submit the submit the Formulator's Exemption Statement (EPA Form to the submit the su | | r all the same uses on your label, you do not need to |
| I am responding to a Data-Call-In Notice, and have included with this form a list be used for this purpose). | st of companies ser | nt offers of compensation (the Data Matrix form should |
| SECTION I: METHOD OF DATA SUPPO | ORT (Check one me | ethod only) |
| I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose). | ✓ under the | the selective method of support (or cite-all option selective method), and have included with this form a list of data requirements (the Data Matrix form must be |
| SECTION II: GENERAL O | FFER TO PAY | |
| [Required if using the cite-all method or when using the cite-all option under the selective of the large of | | 1 |
| SECTION III: CERTIF | CATION | |
| I certify that this application for registration, this form for reregistration, or this application for registration, the form for reregistration, or the Data-Call-In response. In a indicated in Section I, this application is supported by all data in the Agency's files that substantially similar product, or one or more of the ingredients in this product; and (2) is requirements in effect on the date of approval of this application if the application sough uses . | addition, if the cite-a (1) concern the pro a type of data that | all option or cite-all option under the selective method is perties or effects of this product or an identical or would be required to be submitted under the data |
| I certify that for each exclusive use study cited in support of this registration of the written permission of the original data submitter to cite that study. | or reregistration, tha | at I am the original data submitter or that I have obtained |
| I certify that for each study cited in support of this registration or reregistration submitter; (b) I have obtained the permission of the original data submitter to use the st compensation have expired for the study; (d) the study is in the public literature; or (e) I offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c) amount and terms of compensation, if any, to be paid for the use of the study. | udy in support of the | is application; (c) all periods of eligibility for ting the company that submitted the دريج ولدية |
| I certify that in all instances where an offer of compensation is required, copic accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be evidence to the Agency upon request, I understand that the Agency may initiate action FIFRA. | e submitted to the A | Agency upon request. Should ' fail to produce such |
| I certify that the statements I have made on this form and all attachme knowingly false or misleading statement may be punishable by fine or imprison | nts to it are true, ment or both und | accurate, and complete. I acknowledge thut any ler applicable law. |
| Signature. | Date 10/26/06 | Typed or Printed Name and Title Michael Kellogg; Agent |

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| | DATA M | ATRIX | | | |
|--|---|-------------|------------------------------|-------------|---------------------------|
| Date October 26, 2006 | | | EPA Reg No./File Symbol To I | be assigned | Page of 10 |
| Applicant's/Registrant's Name & Address Ensystex IV, Inc. 2709 Breezewood Avenue Fayetteville, NC 28303 | | | Product Bithor SC GC | | |
| Ingredient Imidacloprid, Bifentl | hrin | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Product Specific Data Re | quirements – Product Chemistry | | | | |
| 830.1550 | Product Identity and Composition | Volume 1 | Ensystex IV, Inc. | OWN | |
| 830.1600 | Description of Materials Used to Produce the Product | Volume 1 | Ensystex IV, Inc. | OWN | |
| 830.1620 | Description of Production Process | | | | Not required ¹ |
| 830.1650 | Description of Formulation Process | Volume 1 | Ensystex IV, Inc. | OWN | |
| 830.1670 | Discussion of Formation of Impurities | Volume 1 | Ensystex IV, Inc. | OWN | |
| 830.1700 | Preliminary Analysis | | | | Not required ² |
| 830.1750 | Certified Limits | Volume 1 | Ensystex IV, inc. | OWN | |
| 830.1800 | Enforcement Analytical Method | Volume 1 | Ensystex IV, Inc. | OWN | |
| 830.6302 | Color | | | | Not required ³ |
| 830.6303 | Physical State | | Ensystex IV, Inc. | OWN | See endnote⁴ |
| 830.6304 | Odor | | | | Not required ³ |
| 830.6313 | Stability to Normal and Elevated Temperatures, Metals, and Metal Ions | | | ı | Not required ³ |
| 830.6314 | Oxidation/Reduction: Chemical Incompatibility | | Ensystex IV, Inc. | OWN | See endnote⁴ |
| 830.6315 | Flammability | | | | Not required ⁵ |
| 830.6316 | Explodability | | | | Not required ⁶ |
| Signature / | | | Name and Title | | Date |
| minha a | any | | Michael Kellogg, Consulta | ant | 10/26/06 |

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| Applicant's/Registrant's Name & Address Ensystex IV, Inc. 2709 Breezewood Avenue Fayetteville, NC 28303 | | | Product Bithor SC GC | | |
| Ingredient Imidacloprid, Bifent | hrin | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| 830.6317 | Storage Stability | | | | PRN 92-5 ⁷ |
| 830.6319 | Miscibility | | | | Not required ⁸ |
| 830.6320 | Corrosion Characteristics | | | | See endnote ⁷ |
| 830.6321 | Dielectric Breakdown Voltage | | | | Not required ⁹ |
| 830.7000 | pH | | Ensystex IV, Inc. | OWN | See endnote⁴ |
| 830.7050 | UV/Visible Absorption | | | | Not required ³ |
| 830.7100 | Viscosity | | Ensystex IV, Inc. | OWN | See endnote⁴ |
| 830.7200 | Melting Point/Melting Range | | | | Not required ³ |
| 830.7220 | Boiling Point/Boiling Range | | | | Not required ³ |
| 830.7300 | Density/Relative Density/Bulk Density | | Ensystex IV, Inc. | OWN | See endnote4 |
| 830.7370 | Dissociation Constants in Water | - | | | Not required ³ |
| 830.7550 | Partition Coefficient (n-octanol/water), Shake Flask Method | | | | Not required ³ |
| 830.7560 | Partition Coefficient (n-octanol/water), Generator Column Method | | | | Not required ³ |
| 830.7570 | Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography | | | | Not required ³ |
| Signature | | | Name and Title | | Date |
| Minha C | Way | | Michael Kellogg, Consultan | t | 10/26/06 |

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| Ingredient Imidacloprid, Bifent | hrin | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| 830.7840 | Water Solubility: Column Elution Method; Shake Flask Method | | | | Not required ³ |
| 830.7860 | Water Solubility, Generator Column Method | | | | Not required ³ |
| 830.7950 | Vapor Pressure | | | | Not required ³ |
| Product Specific Data Re | quirements – Acute Toxicity | | | | |
| 870.1100 | Acute Oral Toxicity: Rat | Cite-All | | PAY | |
| 870.1200 | Acute Dermal Toxicity: Rat | Cite-All | | PAY | |
| 870.1300 | Acute Inhalation Toxicity: Rat | Cite-Ali | | PAY | |
| 870.2400 | Primary Eye Irritation: Rabbit | Cite-All | | PAY | |
| 870.2500 | Primary Dermal Irritation | Cite-All | | PAY | |
| 870.2600 | Dermal Sensitization | Cite-All | | PAY | |
| Product Specific Data Re | quirements - Efficacy | | | | |
| 810.3100 | Soil Treatments for Imported Fire Ants | Cite-All | | PAY | |
| | | | | | |
| Signature / / / | | | Name and Title | | Date |
| niwhal De | May 1 | | Michael Kellogg, Consultar | nt | 10/26/06 |

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| Applicant's/Registrant's Name & Address | Ensystex IV, Inc. 2709 Breezewood Avenue Fayetteville, NC 28303 | | Product Bithor SC GC | | |
| Ingredient Imidacloprid, Bifenthrin | | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Bithor SC GC Product Specif | ic Acute Toxicity and Efficacy Data Requirer | ments | | | |
| | ite-all option under the selective method to satis . Ensystex IV, Inc. will make offers-to-pay to the ers list of September 30, 2006. | | | | |
| Imidacloprid Product Specifi | c Data Requirements | | | | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Syngenta Crop Protection, Inc. | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Nufarm Americas Inc. | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Bayer CropScience LP | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Bayer Environmental Science | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Bayer Corporation | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Gustafson LLC | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Chemical Specialties Inc. | PAY | |
| Signature Missing Manager | Day | | Name and Title Michael Kellogg, Consultant | | Date 10/26/06 |

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| Ingredient Imidacloprid, Bifenthrin | | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Bayer Healthcare LLC | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Mitsui Chemicals America, Inc. | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Lanxess Corporation | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Albaugh, Inc. | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Spray Drift Task Force | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Dow AgroSciences LLC | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Arbor Systems, LLC | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Pet Logic, LLC | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Nufarm, Inc. | PAY | |
| Signature Mindel Mi | Dogg | | Name and Title Michael Kellogg, Consultant | | Date 10/26/00 |

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| Applicant's/Registrant's Name & Address | Ensystex IV, Inc. 2709 Breezewood Avenue Fayetteville, NC 28303 | ystex IV, Inc. 9 Breezewood Avenue Product Bithor SC GC | | | |
| Ingredient Imidacloprid, Bifenthrin | | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Outdoor Residential Exposure Task Force | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Agricultural Reentry Task Force | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Bayer Advanced | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Zelam Ltd. | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Arborjet | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Residential Exposure Joint Venture (REJV) | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Agricultural Handlers Exposure Task Force | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Arch Treatment Technologies, Inc. | PAY | |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Etigra, LLC | PAY | |
| Signature Name and Title Michael Kellogg, Consultant | | | Date 10/26/06 | | |

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| | | Product Bithor SC GC | | | |
| Ingredient Imidacloprid, Bifenthrin | | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Imidacloprid Product Specific Data Requirements | Cite-All | | Interregional Research Project No. 4 | PAY | |
| Bifenthrin Product Specific I | Data Requirements | | | | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Nufarm Americas Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | The Ortho Business Group | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | FMC Corp. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Bayer Environmental Science | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | The Scotts Company | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | McLaughlin Gormley King Co. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Amvac Chemical Corp. | PAY | |
| Signature Michael & | allagg | | Name and Title Michael Kellogg, Consultant | | Date 10/26(0K |

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| Ingredient Imidacloprid, Bifenthri | n | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Southern States Cooperative, Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Nippon Soda Co. Ltd. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | The Andersons Lawn Fertilizer Division, Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Sunniland Corp. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Lesco Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Makhteshim Chemical Works Ltd. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Howard Fertilizer & Chemical | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | BASF Sparks LLC | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Control Solutions, Inc. | PAY | |
| Signature A | Dog | Name and Title Michael Kellogg, Consultant | | Date 10/26/06 | |

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| Ingredient Imidacloprid, Bifenthri | n | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status _ | Note |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Arizona Chemical Group Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Makhteshim-Agan of North America Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Spray Drift Task Force | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Bengal Products Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | United Phosphorus Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Outdoor Residential Exposure Task Force, LLC | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Agricultural Reentry Task Force | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Non-Dietary Exposure Task Force (NDETF) | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Residential Exposure Joint Venture (REJV) | PAY | |
| Signature | Λ | | Name and Title | · | Date |
| vinhal coll | DOG THE THE PARTY OF THE PARTY | | Michael Kellogg, Consultant | | 10/26/06 |

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| Applicant's/Registrant's Name & Addre | Ensystex IV, Inc. 2709 Breezewood Avenue Fayetteville, NC 28303 | Product Bithor SC GC | | | |
| Ingredient Imidacloprid, Bifenthria | n | | | | |
| Guideline Reference Number | Guideline Study Name | MRID Number | Submitter | Status | Note |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Atex, Inc. | PAY | |
| Bifenthrin Product Specific Data Requirements | Cite-All | | Agricultural Handlers Exposure Task Force | PAY | |
| | | | | _ | |
| Imidacloprid and Bifenthrin | Generic Data Requirements | | | | |
| Enystex IV, Inc. qualifies for F bifenthrin generic data require | Formulator's Exemption for imidacloprid and ements. | | | | |
| | | | | | |
| | | | | | |
| - | | | | | - |
| | | | | | |
| Signature / /) | | | Name and Title | | Date |
| michal elle | Michael Kelloga, Consultant | | t | 10/26/06 | |

Endnotes for Data Matrix for Bithor SC GC

- ³ 830.6302, 830.6304, 830.6313, 830.7050, 830.7200, 830.7220, 830.7370, 830.7550, 830.7560, 830.7570, 830.7840, 830.7860 and 830.7950 Per OPPTS 830.1000, these data are not required for the registration of an end-use product.
- 4 830.6303, 830.6314, 830.7000, 830.7100 and 830.7300 Ensystex IV, Inc. requests that data submitted to support the registration of their Bithor SC product (EPA File Symbol No. Pending) be used to support this registration, Bithor SC GC. Please refer to Volume 2 (MRID No. Pending) of the Bithor SC application for registration submission dated October 26, 2006.
- 5 800.6315 This product is not a combustible liquid; therefore these data are not applicable to this end-use ρ.oduct. Please refer to the Confidential Statement of Formula for additional information on the composition of Bithor SC GC.
- ⁶ 830 6316 This product does not have explosive characteristics; therefore these data are not required. Please refer to the Confidential Statement of Formula for additional information on the composition of Bitnor SC GC
- ⁷ 830.C317, 83^o) 6320 Ensystex IV, Inc. is currently conducting storage stability and corrosion characteristic studies to satisfy guidelines 830.6317 and 830.6320, respectively for their Bithor SC product. Ensystex IV, Inc. requests that data being generated to support the registration of their Bithor SC product be used to support this registration, Bithor SC GC. Per PR Notice 92-5, storage stability data are not required to be submitted unless specifically requested by the Agency. OPPTS 830.6317 and 830.6320 guidelines allow the corrosion characteristics study and storage stability study to be conducted simultaneously. Ensystex IV, Inc. will submit these data upon completion. As these studies take over a year to complete, Ensystex IV, Inc. requests that a conditional registration for Bithor SC GC be granted on the submission of these data.
- 830.6319 Bithor SC GC is a suspension concentrate formulation and not an emulsifiable concentrate. In addition, the proposed label recommends dilution of Bithor SC GC with water, not oil; therefore, these data are not applicable nor are these data required.
- 830.6321 This product is not proposed for use around electrical equipment. Therefore, these data are not applicable nor are these required.

¹ 830.1620 - Per OPPTS 830.1000, these data are not required for the registration of an end-use product. See 830.1650 for formulation process information.

² 830.1700 – This product does not consist solely of the technical grade active ingredient (TGAI) and is not produced by an integrated system, therefore, per OPPTS 830.1700, these data are not required.